



## United States Navy

Space and Naval Warfare Systems Command  
Office of Public Affairs and Corporate Communications  
Contact: Steven A. Davis / [steven.a.davis@navy.mil](mailto:steven.a.davis@navy.mil)  
Desk: 619.524.3432

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# Shore and Expeditionary C4I Conference Determines Way Ahead for Fleet Operational Improvement

SAN DIEGO – The Navy’s Program Executive Office for C4I hosted a conference Aug. 3-5 focusing on shore and expeditionary capabilities that attracted a wide variety of Navy stakeholders.

The conference’s goal was to find common solutions among diverse communities – fleet operators, capability providers and resource sponsors – for networks and command and control systems that affect ship-to-shore, shore-to-to ship and expeditionary communications.

The Navy is increasingly dependent on C4I – or command, control, communications, computers and intelligence – capabilities to execute its missions. Achieving the Navy’s vision of Information Dominance and elevating information to a key warfighting capability was a central theme throughout the conference.

“The cyber domain presents unique challenges,” explained Rear Adm. William Leigher, Fleet Cyber Command’s deputy commander. “An adversary can gain access to our networks in less than a second. We have to develop a cyber common operational picture, just as we have in the air, undersea and surface environments.”

The conference was sponsored by the Shore and Expeditionary Integration Program Office, or PMW 790. The program office provides C4I support for the Naval Expeditionary Combat Command and 35 major shore sites, including all nine maritime operations centers (MOCs).

According to Ruth Youngs-Lew, PMW 790’s program manager, “This conference was an opportunity better understand the fleet’s priorities with current capabilities, examine requirements and discuss our vision for the next generation shore-expeditionary architecture. Ultimately, the goal is to improve readiness for the fleet.”

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**Rear Adm. William Leigher,  
Deputy Commander,  
Fleet Cyber Command**

As program manager, Youngs-Lew's primary focus areas are network enhancements, integrating MOCs, leveraging capabilities of the Deployable Joint Command and Control System, and improving the overall platform integration process.

PEO C4I's Terry Simpson, the principle deputy for intelligence and a member of the Senior Executive Service, noted that extending next-generation C4I capabilities to the MOCs and to the Navy's tactical edge forces, such as the Seabees and Riverine forces, is key to the Navy's vision of Information Dominance.

"We need to enhance our infrastructure for transfer of data," he said. "We need to clearly define our data transfer priorities for things such as signals intelligence and imagery to determine how those needs affect how we design our infrastructure."

Simpson noted that the MOC's command and control architecture must quickly transfer situational awareness data to commanders, who need information at the speed of the net to make timely decisions. Commanders must also define clearly how to integrate the cyber domain into operational and disaster response planning.

To aid the fleet, the Team SPAWAR community can reduce legacy infrastructure, better employ open architecture options, increase dynamic bandwidth across the enterprise and improve information technology rapid acquisition cycle times to monthly outcomes instead of yearly outcomes.

#### **About PEO C4I**

**<http://www.peoc4i.navy.mil>**

Headquartered on the Old Town Campus of the Space and Naval Warfare Systems Command in San Diego, Calif., the mission of the Navy's Program Executive Office for C4I is to provide integrated communication and information technology systems to enable the command and control of maritime forces. PEO C4I acquires, fields, and supports C4I systems that extend across Navy, joint and coalition platforms. This includes managing acquisition programs and projects that cover all C4I disciplines: applications, networks, communications, intelligence and surveillance, and reconnaissance systems for afloat platforms and shore commands. Supported by Team SPAWAR and industry partners, PEO C4I annually completes more than 2,000 C4I installations to fleet and coalition customers.

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